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Associated Students of the Montana School of Mines

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MINES

May 13, 1955

AMPLIFIER



Compiled and edited by students of MSM

Volume 1 5th edition

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COMMENTS FROM THE FRONT OFFICE

by J. R. Van Pelt

Once in 30 years? That was our record state forensic championship up to 1954. It's twice in 31 years,---two years in a row. That's almost enough to call a "re-edition", and a very good one to maintain.

I have heard quite a few appreciative comments from students, faculty members, and people on last week's highly successful debate and oratory performance. The job by our team has brought much credit to the School. The students who participated, as well as Professor Albertson who coached the team, deserve the thanks and congratulations of all of us.

There was a time years ago when public speaking consisted of flashy, oratory and over-jerking emotion. Engineers don't really care much for that sort of thing. Styles have changed. Good public speaking today is characterized by hard facts, clear logic, and simple, straight-forward expression. Engineers often excel in this type of presentation. Engineering encourages respect for hard facts and clear logic. As for simple, straight-forward expression, engineers excel in this also---when they understand that an engineer gets his ideas across to non-engineers by the spoken and written word. There is always a need for engineers who can speak and write clearly; such men are needed by industry for promotion to management positions.

You---despite the pre-M-Day activities---the School's TV program on Tuesday evening, May 31? If not, you missed an interesting show, one by Professor Harnish with assistance from Ted Link and Larry Mower. They showed some of the highlights of oil production, and in a few words about petroleum engineering a growing, interesting field for young men. The next show in the School of Mines series is scheduled for Tuesday evening, May 31. Professor Kelly is coordinating this series.

THANKED A LOT

Students at the School of Mines wish to thank all M-Day donors. Without their generous contributions, our gulch party would have been quite dull.

Roy O'Brien of Salt Lake City, western field secretary of AIME, received a copy of the current meeting notice issued by the Anderson-Carlisle Society, and promptly wrote to congratulate the artist whose clever sketches enlivened the notice. A look at the lower right corner of the notice tells us something about the artist's keen eye, even if he didn't sign his name.

MINES WINS DEBATE TOURNAMENT

by M. Lanphere

The School of Mines successfully defended its Montana Intercollegiate Forensics Association championship in the annual tournament held in Butte, May 6-7. In the sweepstakes tabulation the School of Mines had 13 points, Montana State University 9 points, Montana State College 3 points, Carroll College 3 points, and Rocky Mountain College 0 points.

The Mines victory was paced by the winning debate team of Jerry Weber and Jon Langfeldt, who were undefeated in four debates. Winning three debates and losing one was the team of Marvin Lanphere and Larry McCarthy, which tied for second place with the University I team. The University I team were recently crowned Northwest champions in a tournament held in Missoula. Their lone loss in the Butte tourney was administered by Weber and Langfeldt.

For the first time in several years, a Mines student won the original oratory contest. Joe Nevin won first place in original oratory. He received \$30.00 in cash and possession of the Montana Power Oratory Cup for one year. In other individual events, Marvin Lanphere placed second in extemporaneous speaking, doing a similar job last year.

Forensics competition began in Montana in 1922. In 1954, the School of Mines won its first championship, which they repeated this year. With McCarthy, Weber, and Langfeldt returning next year, hopes are high for a third straight championship in 1956.

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By the way, if you fellows would like to be on a winning team next year, come out for the debate team.

MEET YOUR FACULTY

by Art Morris

AMPLIFIER SAYS

Editor

"M" Day is over for another year; all blood-shot eyes and sunburned noses are back normal, Marcus has been painted, the M is again visible with a new coat of white-wash, the campus is a little more tidy, new officers have been elected, and your editors have recuperated from the rush of getting the AMPLIFIER out three days early.

Touché to M.L. and B.M. The editorial the AMPLIFIER, April 22, was not written as a "political football", but merely to bring out some facts. Of course, there are two sides to every story, and we appreciate the interest shown. Better late than never fellows!

Special credit is due to several organizations and individuals on the campus for making "M" Day a success. Earl Denny, our friendly and resourceful campus foreman, gave his time Tuesday night in an attempt to clear the snow off Big Butte. Although the venture was not successful, we appreciate the effort. Credit goes to the members of the senior class for the organization and coordination of events. The seniors were the last to bed Tuesday night (according to Garry Mitton), and the first up on Wednesday morning (witness the two and one-half blasts from B.B.) The tasty lunch Wednesday noon and the dance that evening were due to the efforts of the campus workers, the Copper Guards. These guys deserve a lot more thanks than they get for their service to us students.

A new motivation to "M" Day was the presence of faculty members on the M. Professors Stout, Chance, Koch, and McLeod, and Capt. Holgren donned their work clothes, climbed Big Butte, and pitched in with the whitewash gang. This is a good start, let's make it a tradition.

Only one mystery remains unsolved regarding "M" Day. Why were so many guys buying beer from Ed on Tuesday night when it was being passed out free in the gulch? If anyone has an answer to that one, let us know.

In choosing the subjects (or victims) for the weekly faculty interview, your reporter has tried to make a policy of selecting persons who are either not too well known by the most of the students, or if they are well known, then telling some little known facts about them. This week I was fortunate to interview a man who is unfortunately (for the student) in the first class. This person is Walter S. March, Jr., Professor of Geology at the School of Mines, and the interview was one of the most pleasing for me.

The history of Mr. March is truly a cosmopolitan one; he met his wife, who is from England, in Tocopilla, Chile. He was in Ecuador from 1922-1924, in Butte from 1924-1925, and in Chile from 1925-1952, where he was Chief Geologist for the Anaconda Copper Mining Co. His year of first appointment at the School of Mines was in 1952, and he stated his intention of remaining in the somewhat new (for him) teaching profession.

Professor March has two sons, one of whom is at Geiger Field in Spokane, and the other is a Junior at the Butte Business College. He stated that his pet peeve was "lack of sufficient time to devote to preparation of teaching material, too much time is demanded for outside activities". His hobbies are somewhat vocational; he listed them as Geology and travel. It came as no surprise, then, to find his ambition was to return to Chile some day and see how his old haunts have changed, and to make the trip by going around the horn. When asked what faculty member he thought had done something commendable, he mentioned that he thought Dr. O. D. Blake (of the Geology Dept.) had done a "bang-up job" of organization and work at the Petroleum field station in Billings.

Some of the "outside Activities" previously mentioned are his work on the faculty Graduate Committee, which is now in the process of organizing a program for granting PHD's in Geology and Metallurgy. He is active in such organizations as AIME, Geological Society of America, Society of Economic Geologists, American Society of Engineering Education, and Association of Geology Teachers.

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For the rest of the interview, Professor March fascinated your reporter with stories and anecdotes about trips in howling blizzards in high Peruvian mountains, balky llamas, and winds blown away in the middle of the night. Truly, Mr. March, with his ease of manner and life experience, is a credit to the school.

I must say, though, that his ease of manner and happy disposition vanished quickly when he caught your reporter trying to slip a paper weight from his desk into his pocket. It seems the weight was made of rare and precious undularghite, and anyway, I'm taking metallurgy.

PERSONALITY SPOTS

by G. Nichols

Hey you! Slow down. I'm a reporter for LIFER and you look like a good prospect for an interview. What's your name?" Robert Alden Loucks! Yup, Bob is a Great Falls boy hitting a solid 19 years in the real world. He's a sophomore student with high grades and a Metallurgy major. He has a younger brother and a younger sister—the brother is future mines material, doubt. He is a graduate from Great Falls High ('53). He was on the student council during his high school days and took an active interest in the school. Right now, he's Duke of the Copper Guards, and pledged the Theta Tau fraternity. By the way, besides, he is Chevalier of the DeMolay and past Master Councilor of the Great Falls Chapter. He plays tennis, some track (not much material he says), and really goes in for fishing. In fact, he has his dad's old bamboo rod in his possession and wouldn't trade it for anything.

He thinks the school is very, very good, academically speaking. He remarked, "Everybody talks about school spirit but no one says anything about it—I feel that guys say they have school spirit but don't live it." He says Residence Hall is a darn good place to study and commends Mrs. Tait, house-mother, for keeping the place neat. His favorite instructors are Dr. Nile, Physics, and Dr. Koch, Chemistry. He has a pretty cute girl waiting for him in Great Falls, and is pretty well sold on her.

Oh-----in the course of conversation, Bob explained he has taken such an interest in the school paper, he would like to write for it. Good enough, he'll be writing articles soon, so be looking for something written by a pleasing personality named Bob Loucks.

THE FACULTY SPEAKS

By N. Davis, Asst. Prof. - Mathematics

Three years ago, I became a college faculty member. Since then, I have seen and learned some wonderful things about this place we call MSM. The friendliness of the school was the first thing to make a lasting impression. It has a friendliness not found in large schools and often not in other small schools. When a student or faculty member walks down the halls, he sees groups trading the latest gossip. Words of greeting and smiles seem pretty frequent. Occasionally one may see some absent-minded person who is deeply engrossed in a difficult problem like, "Did I get both socks on right side out this morning?" The person who passes without at least a nod, however, is a pretty rare bird.

In comparison with the faculties of much larger schools, I am sure that we may well be proud of the type of preparation the faculty here has. We have members with years of experience in their fields, many of whom have been recognized by others as leaders in their field. Though financial rewards are greater in other organizations, most of these people prefer to remain at M.S.M. In my opinion, this is accounted for by the many satisfactions and opportunities available in this school. In addition, they are not hesitant to extend their friendship to a new member and to offer their help.

The list of alumni and former students that is in the back of the catalogue is a good indication of the caliber of men who are graduates of this school. A number of our graduates have found employment through the aid of older graduates.

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These alumni are continually trying to make the school better. They have made a great reputation for the school. They have offered their time and services often enough to assure us that they are really proud of M.S.M.

In the last three years, we have watched while MSM students were awarded prizes and honors that were surprising in the size of the school is considered. Just the last year, one of the cadets MSM named among the outstanding of nation, and saw three prizes out of for the nation as a whole given to students for technical writing. One would have a hard time finding a more able group of men than those that students here. When we have a dance, these boys display an even more remarkable talent for picking beautiful dates.

Interest on the part of the faculty students is often displayed. It is very tough to find a person around here that does not have some sort of opinion about almost any phase of the school. Students often come around for extra help from faculty members. It is not at all to be asked to help with some advice on a personal matter as well as one that is academic. I have never heard of a student asking for help from a faculty member and being refused. The same may be said for the occasions when faculty members have called on students for help on some project. We may not always have a large number of people turn out for a school function, but usually a high percentage of the small total population here attends these functions. Students often spend a considerable amount of time in extra activities in the various fields. They seem to want to get a solid, well-rounded education. Can you think of a single faculty member that has given evidence that he is not interested in getting the student to learn just as much as possible or can you think of a single student who actually doesn't want to learn as much as possible? Faculty members and students have a healthy attitude and are trying to do a good job. This is obvious when one considers the overall atmosphere prevailing throughout the school.

New courses have been added. New buildings and facilities have been acquired. There is a continual study of the curriculum

on the part of the school as a whole and on the part of the individual departments in an attempt to improve the school. I believe that this accent on progress will find us proud to have been a part of it.

STUDENT COUNCIL NEWS

by E. Westerman

On behalf of myself and the rest of the new student council, I extend my thanks to the student body for their support in the recent M-Day election. We will endeavor to justify your faith in us.

The first meeting of the new student council will take place on Monday, May 16, at 7:00 in the Engineering Building. All interested students are invited to attend.

ECPD Committee Praises Departments

Our Mineral Dressing Department is rated as one of the best in the United States. The pilot plant in the Mill Building impressed the committee as well as the complete laboratory in the Met Building. Professor McGlashan, Head of this department, has stated: "Although our department has received a high rating, it is not perfect by any means. Experiments must be rewritten, more research is needed, more graduate students are needed, and we are trying to get even more equipment which might be necessary for advanced studies. However, I am proud of our continued advance which has been largely a result of efforts of the staff."

The Humanities Department really hit it off with the committee! The committee was so impressed by this department it asked Profs. Laity and Chance to submit a special report to ECPD about the various departments, especially the Technical Writing Phases. Professor Chance remarks that "Our department isn't perfect yet, but it is improving more and more. We must bear in mind that our training in Technical Writing is important to us as engineers. This thought has been a guide to us in teaching."

The party who has the missing beer tap - PLEASE return it to Goodrich or School - otherwise the whole student body will be forced to pay for it.

BRASS MINE DISCOVERED BY FORMER MINES STUDENT

Editor

After many long years, AMPLIFIER has at last heard from Sam Caddy, a former geologist, who received his degree from this school. The last your editor heard, Sam had drowned off the coast of Alaska in search of the famed formula for making gold which is known only by Adam J. Smith of the Math. Dept. "Smitty" ain't talking either!

Sam, in reality, did not drown. He came ashore, and since he was given up as lost, he decided to live with the Eskimos. His experiences were varied and he learned much of Eskimo life. However, he tired of this life and headed for the Andes mountains in South America. It was here that he made his astounding discovery. Never before in this story has such a deposit as Sam's been heard of! Sam wrote your editor and gave him his exclusive story.

The deposit was originally pre-cambrian cassiterite (SnO_2). Of course, the usual overburden lay on top. However, it seems as if the seas invaded and deposited a thick bed of limestone. There must have been invasion from the sea since the usual type of fossils of the age were found. The sea slowly receded and suddenly there was terrific upheaval. (Probably at the close of the Cretaceous revolution-check with Dr. Blake). Large high angle faulting occurred (reverse faulting as well). Then large hydrothermal deposits of CuS , ZnS , and PbS came up between the faults. The SnO_2 was reduced by carbonaceous fossils to Sn , the CuS , ZnS , and PbS were reduced by the Limestone (CaCO_3) according to the reaction:

$\text{CuS} + \text{CaCO}_3 = \text{CuO} + \text{CaS} + \text{CO}_2$ with a negative free energy change. The CuO was further reduced with carbonaceous material according to:
 $\text{CuO} + \text{C} = \text{Cu} + \text{CO}$ which left copper in free state. This general reaction happened to all of the Cu , Zn , Pb , and Sn . By chance, there happened to be the proper ratio of each metal present to form a large amount of pure brass. Sam discovered the mine by drilling into the big chunk of brass. Good work, Sam, and so once again a Mines student comes through with a first. Sam promised us more news about his brass mine in the next issue.

AIME To Meet

The annual joint meeting of the AIME will be held in the Library Museum Building May 12, 1955 commencing at 8:00 P.M. Five students will discuss work done by themselves in their respective departments. They are:

- P. Allsman on "New Developments in Ore Search"
- D. Rohrenbach, on "A New Idea for Mucking"
- D. Bodie on "Flotation Research Using Environment-Controlled Free-Bubble Contact-Angle Apparatus"
- F. Knight on "The Quantitative Determination of Tungsten by X-Ray Fluorescence Spectrometry"
- E. Stenmark on "Rotary Drilling With Gas"

The meeting will close with a conference period in which refreshments will be served by the Student Wives Club.

TOPIC OF THE DAY

by F. Howald

This topic is of great importance to all of us; it is not just the topic of the day, but an every day topic for discussion.

Education is not the safest subject that a man can choose for discussion these days. In the communist world you can get shot for discussing it the wrong way. The wrong way among Communists is merely to suggest that what they provide under the label "education" isn't necessarily what the label says it is. In free society the question whether the thing under the label is genuine is open for discussion.

Education has, of course, never been an entirely safe topic anywhere. The list of great teachers who also were martyred opens with the names of Socrates and Jesus Christ. They were, you might say, victims of their own insistence on their rightness against the views of the holders of power of their times. In free societies nowadays we do not often drag our educators into

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GRADUATING SENIORS

by R. Wayment

court and put them on for their lives for teaching. But there are forms of punishment almost as bad, forms that at times may seem worse than any physical punishment can be. To know how to do a good job, and to be stopped by people who do not know a good job from a bad one, is no better for the profession in which this occurs than it is for the person to whom it occurs.

Imagine a surgeon operating on a child in a case involving life and death. In the midst of the operation, the students rush in and try to direct the operation. The surgeon has no alternative but to have the students removed. He cannot abandon his responsibility and let someone else make crucial decisions for him.

The professor, the educator, is exposed to this kind of experience more perhaps than anyone else in society. No one in his senses tries to tell the surgeon how to do his job. Nearly everybody feels qualified to tell the professor how to do his. The professor cannot, any more than the surgeon, abandon his responsibilities.

But students also have responsibilities and the responsibilities of the student and professor overlap and mingle together. It does not require wisdom to see that the student will have little chance if he is cut up into parts, one part to the professor and one to society. The education of the student requires the cooperation of the professor and student, and cooperation requires understanding among students and professors.

Any suggestions or criticisms will be appreciated. Thank you!

MOONSHINERS Ball is Success

Our thanks to Professor McGlashan and wife who chaperoned this gala affair on M-Day. We hope they enjoyed the dance. Everyone who attended the ball seemed to have a wonderful time. Ben Huber, Berthelote, and numerous others wore quaint costumes. Our thanks to the nurses of St. James and Community Hospitals for showing up. They really sparked the dance. However, the boys at Residence Hall left some girls sitting in the chairs. Next time, we'll give Residence Hall the word because I'm sure they weren't notified of the excess of sexes.

ROY HERDE: I stopped in to see Roy for a couple of minutes and he gave me a little of the low down on his personal history and his future plans. It seems he has accepted a job with the American Smelting and Refining Co., which he hopes to be on by the 20th of June. He will either work in Ground Hog, New Mexico (8 miles from Silver City) or in Silver Bell, Arizona (about 40 miles from Tucson). As of this moment he doesn't know which place he will wind up in. Roy informs me that this is a training program, from a year to eighteen months long, the final objective being work in Peru in a supervisory capacity. Roy tells me he is all for going to Peru.

Now for just a little personal history. Roy is a married man with an eighteen month old son and is a resident of the Vet's Housing. His wife's name is Marian and their son goes by James. Incidentally, they own an Irish Setter called Ginger, quite a beautiful dog. Roy said he would quit talking to me if I didn't mention his dog. Both he and his wife hail from Madison, Wisconsin where Roy attended high school. He then spent two years at the Wisconsin Institute of Technology in Platteville, transferring here in the Fall of '53. He is graduating this spring in Mining and when asked if he planned on going farther in school he said he would like to but doesn't believe he will. Roy has worked about $2\frac{1}{2}$ years as a miner for the A.C.M. Co., and previous to that he worked for the Eagle Picher Mining and Smelting Co. and the Homestead Mining Co. He is a member of the Anderson-Carlisle Society in which he was elected Vice-President of the senior class. I'm sure every person on the campus wishes you the best of luck in your new career, Roy, so have at it with our best.

Upon leaving Roy's house the other night, I asked if I had all the pertinent facts; Roy's wife said, and I quote, "We're damn glad it's all over". A fairly human feeling I expect.

JAG: What did the socket say to the bulb?

ALM: I don't know, what?

JAG: Plug me and you'll burn!

TRIP TO ANACONDA SMELTER

by P. Dutoit

Professor Ralph Smith accompanied a number of students to Anaconda on Wednesday, May 11. Parts of the plant that were seen were the Phosphate, Copper, Zinc and Ferro-manganese sections. One of the most interesting was the experimental smelting of Ferro-Mag. by electrical processes. The group was lucky to see the inside of the rotary kiln for Manganese Carbonate lining from the inside while repairs were being done on the fireproof lining. An interesting fact which was revealed is that Anaconda puts out more phosphate than copper.

By 4:00 P.M. almost everyone was getting his feet and this was the sign for Prof. Smith to take the sad looking, but satisfied, group of M.S.S.M. students back to Butte.

for Seniors

and Mrs. J. R. Van Pelt and faculty retained members of the senior class of 1955 and their wives last Sunday between hours of 3 and 5 o'clock at the Van Pelt home, 1315 W. Park, Butte. The seniors enjoyed the tea very much. It gave them an opportunity to meet the "whole school" in one day. Receiving with Dr. and Mrs. Van Pelt were Dean Adami, Mr. and Mrs. G. Haney, Mr. M. Cidel, members of the executive board.

PETROLEUM DEPARTMENT

by R. Foster

Last Thursday, May 5th, Mr. J. Lester of Schlumberger Well Surveying Co. Casper, Wyo., visited the Petroleum Engineering Dept. and presented a slide section and lecture on the fundamentals of electric logs and basic interpretation. Electric logs for those who don't know are measurements made of electrical impulses along the surface by which proper interpretation is being applied certain correlations can be made as to bed orientation, thickness,

porosity and saturation of liquids. They are fundamental to reservoir engineering.

On Tuesday, May 10, Mr. John Banister, Division Engineer for Halliburton Oil Well Cementing Co. from Denver, Colo. presented a film, literature and lecture on new developments initiated by their company in oil well cementing, treating and well completion methods.

Both meetings were well attended by the Petroleum Engineering students and excellent first hand answers were given to their questions. These two meetings were the second and third in a series of late afternoon lectures to provide the Petroleum Engineering students a first-hand account of certain phases of the industry. It is significant that the companies contacted have traveled many miles to come to our campus to provide this excellent reference material and information.

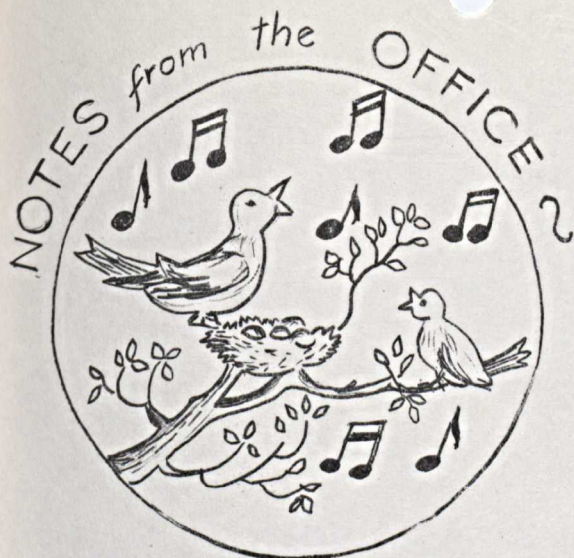
Missed Appointments

Chuck McNeil and Al Walkup just missed getting appointments to the Naval Academy. Al had first choice with Chuck running a close second. As luck would have it, both men flunked the physical which by the way, is very strict. This kind of luck, however, will prove valuable to the school since we can count on seeing these guys around the school next year. It's the Navys' loss and the School of Mines' gain! They're both A - number - 1 students!

Rubenstein II

Ken Paul has been doing some fine before-dinner playing on the main lounge piano. Everyone has heard him, and many have sat in the lounge while he played. Ken practiced until he was 15 years old, after which he gave it up except for occasional "concerts" such as the ones we are privileged to hear. He picks up most of it by ear. Keep it up, Ken.

STOP trying to date faculty members of the opposite sex, Doug. Howald.



MEET THE OFFICE GIRLS

You probably all know Mrs. Nile in the Bookstore; she is the wife of Dr. S. W. Nile. Born in Cascade Locks, Oregon, and has been here approximately 10 1/2 years.

Mrs. Mary Verbanac is the Asst. Registrar. Mary is a native of Butte, and has been in Mr. Brown's office for 8 years.

Miss Irma Button - probably needs no introduction. Irma is a native of Butte, but spent some time in Calif. where she graduated from high school.

Mrs. Lois Fordmeir, library assistant. Lois is a native of Butte; her husband, Mr. Al Fordmeir, works for Montana Power Co. She has been here 3 1/2 years.

Mrs. Alice Rae, Asst. Secy. to the Pres. Alice was born in Big Timber, Mont. Her husband, Mr. Bob Rae, is the basketball Coach at Butte High.

Mrs. Louise Hungerford, Secy. to the Pres., was formerly in the typing office for 2 years. Louise was born in Great Falls, Mont.; her husband is a salesman for Colgate-Palmolive Co.

We have two Wyoming girls with us, both attended school in Rock Springs, Wyo. Mrs. Ann Brack, Secy. to Dean Adami, and works(?) 1/2 day in the Air Force Office. Husband is salesman for KOPR.

Mrs. Marva Valentine, Stenographer in the Central Typing Office. Formerly of California, was employed by E. F. Hutton & Co., Los Angeles.

Mrs. Elvie Murray, Stenographer in the Central Typing Office, native of De Valls Bluff, Ark. Elvie is the wife of Captain Murray, U. S. Army. She spent quite some time in Austria where she was employed by the Adjutant General's Section.

Mrs. Clare Rush, Stenographer in Bureau of Mines Office of Associate Director. Clare was born in Astoria, Oregon. She was formerly employed by Holmes & Narver in Los Angeles, California.



We should all know the school song and some of us couldn't join in Thursday at the Convocation because we didn't know the words, so here they are:

ALL HAIL! (Montana School of Mines Song)

Sturdy as the mountains, dauntless as the tide,
Hail all you Miners, fearless and tried:
From mountain peaks to foreign shores
Famed in conquests wide—
Hail all you Miners, All Hail, All Hail!

Lift the loyal chorus, loud their praises ring.
Hail all you Miners, to thee we sing.
On ev'ry field of battle triumph,
Alma Mater dear:
Hail all you Miners, All Hail, All Hail!

Refrain (after second stanza only)

And from the Rockies comes the echo,
Thund'ring back again:
Hail all you Miners, All Hail, All Hail!

STUDENT WIVES

The last meeting of the Student Wives this year was held Wednesday evening at the dia's where they all enjoyed a dinner as going away party for the wives of graduating seniors.

Monday evening the members who participated in bridge presented June Budd Ruhle a pair of earrings in appreciation for her efforts in teaching them the finer arts of successful bridge game.

KID IN THE KORRIDOR

Unknown

This week the old Kid hasn't got much to say, must be the writer's cramps. There are some things that have come to the Kid's attention, though, that require mention. It seems (from a reliable report) that Mr. Harmon has a number of notable dignitaries attending his classes in Hydraulics and Strength of Materials.

The list he passes around for all to present to sign contains such interesting names as Davy Crockett, Daniel Boone, Jim Hawkins, Manie Eisenhower, and even Steevie Lee. Who knows, perhaps even Mr. Harmon himself may sign up!

Our slick-paged competitor, the De Re Metallica, is now on the stands. The Kid finds that its attractive format and well-written articles are exceeded only by the time between articles.

The dumb old Kid isn't doing too well in his studies; it looks as if he will be around next year, if they will let him register. If Irma Button knew who the Kid is, she wouldn't let him register, but Irma doesn't know won't hurt her. By the way, Wayne Bossard tells us his test averages are all about 69!

THETA TAU NEWS

by P. DuToit, R. Gevers

Our annual Echo Lake party has passed and was a great success. The party started out with the picnic Saturday afternoon. Part of the tap was missing and the

liquid had to be poured out by hand. It tasted the same anyway and had the usual effects. One of the outstanding events of the day was Dick Johnson's demonstration of modern day low flying with a Mercury.

The dinner which had been scheduled for 8:00 P.M. did not start before 8:30 P.M. because the refreshment stand in the bar was too great an attraction. Among the guests of honor were Prof. and Mrs. Stout, Major and Mrs. Pinckney, Prof. and Mrs. Harnish, and Mr. Dawson.

The Columbians presented excellent music to dance to. The turkey dinner put out by the Lodge was enjoyed by everyone. (At \$2.00 a plate this was no surprise.)

Everyone had an enjoyable evening including George and Jimmy, thanks to Miss Tica. Mr. Dawson seemed to have been having quite a time for himself. Every time he swept the dance floor the feminine charm in his arms had a different dress on. Whether the dresses were changing so fast or whether the fascinations changed, still remains a mystery.

The band had been contracted to play until 1:00 A.M., but after passing the hat a sufficient amount of money was obtained to persuade the Columbians to play for two more hours.

It is the opinion of one and all that attended that the spirit at the party was irreproachable and the party was a great success.

Baseball: Theta Tau vs. Deerlodge (Pen.) May 8

Last Sunday some of our energetic ball players got out and took on the crack team from the State Fort. Our team included Campbell, Erickson, Lavis, Skelton, Harder, Kerr, McCarthy, Darsow, and Deptuch, with Lanphere serving as umpire. According to both parties, the clash was a success, and we only lost by 4 - 11. Plans are now in progress for a return match, although a date has not as yet been set.

Forensics: Montana Intercollegiate Forensic Association's Annual Tournament, May 6 & 7.

Last Friday and Saturday the School's brilliant debate team chalked up another decisive victory. Our boys ran up 13 points, of which Tau members contributed 7; Lanphere and Weber each made 3, while McCarthy added 1. (Incidentally, the other 6 points came from efforts by Independent members.) Nice going, fellas, that's the kind of performance we go for!

TED LINK, ED SADAR, DEWEY PARROTT wanted their names to appear in the AMPLIFIER.

SIGMA RHO NEWS

by R. Trevison

Sigma Rho featured prominently in the M-Day elections last week. Offices of student council president, vice-president and secretary were captured by Ed Westerman, Ted Berthelote, and Sam Worchester respectively. We don't wish to beat the fraternity drum, but our fraternity is proud to have these men adjudged by the student body as being the capable, industrious leaders the student council requires.

A pert M-Day All-School Party is planned for Sunday, May 15 at the Rose Garden dance hall. Nurses from St. James and Community will be invited. Beer will be free while it lasts. Other refreshments will be at the usual bargain prices. The whole school is invited so don't hesitate to come down and have a time.

Election of fraternity officers for next year will be held next Thursday at 7:00 P.M. in the Rho lounge. All members should be present for this important function. Refreshments will be served.

PERSONALITIES AND JOKES

by B. Huber

Here's a hot one for you poem lovers:
And here's the happy bounding flea,
You cannot tell the he from she.
The sexes look alike you see;
But she can tell, and so can he.

THURSDAY'S FLASH-----
Blast heard on BIG BUTTE.

SATURDAY'S FLASH-----
Two more blasts were heard. It wasn't clear where they went off, but it sounded like they came from HELENA??????

ENGLISH DEPARTMENT-----

This week I would like to evaluate a common every day statement for you. Now, take the saying, "Follow a road." Now when someone says "Follow me", you fall in behind them, whereas, you cannot fall in behind a road if you follow it, since it is directly in front of, underneath, and behind you. Therefore, it is impossible to follow a road.

QUOTABLE QUOTES-----

"Who does not love wine, women and song,
Remains a fool his whole life long."
VOSS

OVERHEARD AT THE NURSES DANCE-----

"I never thought I'd see the day that DON MATHIS would leave a party at 10:30."

"Hey, DARREL ANDERSON, how about leaving a few of those girls for the rest of us?"

" ' ' ' are you still on your feet?"

There was a lovely young girl named Ann Heiser,
Declared that no man could surprise 'er
But a fellow named Gibbons,
Untied her Blue Ribbons,
And now she is sadder Budweiser.

SADDEST STORY OF THE WEEK - Tugs Hunter loses pants w/wallet in Spokane during convention.

BIG GAME HUNTER DAN REGAN SHOOT'S PUSSY CAT!

PROFESSOR LAITY TO PETER IRVING-----

"You ask why you didn't pass your history test? Well, your answer to the question 'Why did the pioneers go into the wilderness' was interesting from the sanitation standpoint, but it was still incorrect."

YOUR CLUB IS

by R. Foster

The Petroleum Section of the A.I.M.E. held a meeting Monday for the election of officers. Paul Burchell was elected one of the Vice-Presidents of the society and President of the Petroleum Section. Jerry Weber was elected Vice President of the Petroleum Section and James Connolly was elected as Secretary. These men have taken their offices and will assist Mr. Godfrey Howard, president of the A.I.M.E. in arranging the joint meeting to be held

Thursday evening in the Museum Building.

The student wives will serve refreshments.

GLEE CLUB

Tuesday evening the Glee Club was entertained at Mr. Ralph Smiths, the dinner consisted of turkey, ham and all the sideline delights. All the members I talked to enjoyed themselves immensely and wish to extend their appreciation to Mr. Smith and his wife.

CO-ED CLUB

Men, don't you all agree the sandwiches were delicious we had on M-Day. Thanks to the Co-eds for their time and effort in helping to satisfy our appetites.

SPORTS IN REVIEW

by D. Siguaw

The Mines baseball team played their first game on May 3 at Dillon. They were shut out by Western by a score of 8 - 0, mostly due to errors in the infield.

While the ballgame was being played, Bill Campbell capably represented the Mines in the first tennis match of the year. He was defeated by scores of 7 - 5 and 6 - 2. He won the second set 6 - 2.

Western defeated the Mines baseball team last Friday by a score of 23 to 15. It was a well played ball game up until the seventh inning when Western started hitting the ball and the Mines defense fell apart.

The baseball team has yet to play a few games with Copper League teams here in Butte.

The Mines will be represented in the track meet at Billings this Friday by Johan Debeer, who will be entered in the 100 yd. dash, 220 yd. dash, broad jump; once the 220 yd. low hurdler, and also by Bob Penny, who will throw the javelin.

Dick Baker and Jack Hunter will represent the Mines in the Golf Tournament at Billings.

The tennis team has entered Pete DuToit in the singles competition, and Bill Campbell and Don Mathis in the doubles.

There is an intramural horseshoe tournament Friday, May 13. All students and faculty members desiring to enter competition should sign their names to the list posted in the gym.

Theta Tau won the intramural softball tournament on M-Day by defeating the Sigma Rho team 23 to 9 and by defeating the Independents 6 to 4.

ITEM OF IMPORTANCE

There will be a meeting for all students interested in football in the gym, Monday, May 16 at 4:30. Coach Olsen would like to go over plans for next Fall. Let's have a good turnout.

COMMUNITY CHATTER

Due to circumstances beyond your control, you now have an additional column in your AMPLIFIER. We've been reading your articles for the past few weeks, and from here on in, we'd like the chance to defend our side of the gossip which goes on between the School of Mines and the student nurses at Community Hospital.

Our latest function last Saturday night--fizzle, fizzle, flop! We were overjoyed with your overwhelming response, but at least Mathis tried to dance. The "refreshments" just got the best of him. Well, anyway, the brawl before the dance was successful, even if one of the girls did come home with two black eyes---we really expected someone to end up in the wishing well before the night was over.

Attention--all you energetic and ambitious men! This is an official challenge to a baseball game. In order to meet the physical requirements, you must be at least 4F. Will you stand up like men and accept this challenge? There will be a few minor changes in the rules. The Mines team will be required to run the bases backward, bat and throw left-handed, and the pitcher must stand on one foot and pitch left-handed. The opposite of these rules will be required of all left-handed players. We know we can beat any and all of you. The losers will provide "refreshments" after the game. The date of this game will be Saturday, May 21, at 4:00 P.M., at Leonard Field.

(next page)

Facts About Student Nurses

Margaret Bertholf --- Better known as Burp.
 Donna Stewart --- Free, white, and twenty.
 Joyce Holm --- Had a birthday.
 Peggy Stobie --- Who can tell?
 Nancy Jo Czirr --- Is going to Africa for sure.
 Jean Buchanan --- Has T.B.
 Della Miller --- Had a date to Echo Lake.
 Carole Williams --- Likes talkative men.
 Neva Jean Becken --- Is engaged.
 Rita Beth Chandler --- Is from Butte.

PHONE BOOTH FALLS

The phone booth in front of the main lounge fell over last night. This has been a repeated occurrence and it is hoped that the phone company will anchor it down with spikes. Not that we mind if it falls over but every time it does fall, somebody happens to be inside. If you don't believe it, ask Jim Kerr and Dick Johnson, both of whom have suffered through this harrowing experience.

STENMARK
 AT AIME
 MEETING →



ANDERSON-CARLISLE HOST TO SUCCESSFUL MEETING OF MONTANA CHAPTER, AIME

The student chapter of AIME on the campus of the School of Mines was host to the members of the Montana Chapter, AIME, at a meeting last night in the museum hall. Highlight of the meeting was talks presented by students of the School of Mines intended to acquaint the members of the Section and guests with new developments and research being carried on at the mining college.

Paul Allsman, Graduate Student, Geological Engineering, presented some new developments in ore search, outlining new methods, and new variations of old methods.

Don Rohrenbach presented a new idea for shaft mucking, showing how an original idea of his has developed into a research project in cooperation with the A. C. M. Co.

A Graduate Student in Mineral Dressing, Darrel Bodie, explained the research now in progress intended to investigate bubble contact-angle-----ultimate goal, better flotation reagents.

Ford Knight, Grad. Student, Metallurgical Eng., presented the fundamentals and applications of fluorescence spectrometry to the determination of tungsten in tungsten ores.

One of the Junior Students in Petroleum Eng. told of a new method of drilling. Ernest Stenmark told how gas is used to remove cuttings from oil well drilling instead of the usual mud.

Notable guests at the meeting were senior Mining Students of the Colorado School of Mines, who enjoyed the luncheon sponsored and served by the Student Wives after the meeting.

CADENCE COUNT

Hup two three four

Hup two three four

Hup two three four

FIVE

Hup two three four

Hup two three four